

Jones, Maude

159192

my

**From:** Gibbs, Terra  
**Sent:** Wednesday, July 13, 2005 1:47 PM  
**To:** Jones, Maude  
**Subject:** FW: Please compare these two sequences... PLEASE RUSH

RE: USSN 09/918,026

-----Original Message-----

**From:** Fredman, Jeffrey  
**Sent:** Wednesday, July 13, 2005 6:10 AM  
**To:** STIC-Biotech/ChemLib  
**Cc:** Gibbs, Terra  
**Subject:** FW: Please compare these two sequences... PLEASE RUSH

RECEIVED  
JUL 13 2005  
STIC

PLEASE RUSH.

I Approve.

Jeff Fredman

-----Original Message-----

**From:** Gibbs, Terra  
**Sent:** Tuesday, July 12, 2005 5:29 PM  
**To:** Fredman, Jeffrey  
**Subject:** Please compare these two sequences... PLEASE RUSH

Jeff, I need this sequence search comparison RUSHED! I need this to support a 103 rejection and didn't realize it til now... This case is due this biweek.  
The two sequences are only 1561 and 1981 nucleotides in length.

Please compare GenBank Accession Number AF099031 with AF059203.

Terra Cotta Gibbs, Ph.D.  
Art Unit 1635  
Remsen Building 2D10  
Mailbox 2C18  
571-272-0758

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model:

Run on: July 14, 2005, 16:47:20 ; Search time 2 Seconds  
(without alignments)  
3.201 Million cell updates/sec

Title: AF099031  
Perfect score: 1569  
Sequence: 1 ATGGAGCCAGCGGGGCGG.....CTTGCTCTGCATACCTAG 1569

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 0.5

Searched: 1 seqs, 2040 residues

Total number of hits satisfying chosen parameters: 2

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 1 summaries

Database : af059203.gb\_pr.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	ID	Description
1	1564.2	99.7	2040	1	AF059203
ACCESSION:AF059203					

ALIGNMENTS

RESULT 1  
AF059203  
LOCUS  
DEFINITION Homo sapiens acyl coenzyme A:cholesterol acyltransferase 2 mRNA, complete cds.  
ACCESSION AF059203  
VERSION AF059203.1 GI:3746534  
KEYWORDS  
SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
REFERENCE 1 (bases 1 to 2040)  
Oelkers, P., Behari, A., Cromley, D., Billheimer, J.T. and Sturley, S.L. Characterization of two human genes encoding acyl coenzyme A:cholesterol acyltransferase-related enzymes  
J. Biol. Chem. 273 (41), 26765-26771 (1998)  
MEDLINE 98434592  
PUBMED 9756920  
REFERENCE 2 (bases 1 to 2040)  
Oelkers, P., Cromley, D., Behari, A., Billheimer, J.T. and Sturley, S.L. Direct Submission  
TITLE Submitted (13-APR-1998) Human Nutrition, Columbia University, 630 W. 168th Street, New York, NY 10032, USA  
JOURNAL  
LOCATION/Qualifiers  
1. .2040  
/organism="Homo sapiens"

Qy	721	ATGAAAGCTACTCCTTCTGAGAGAGCTGTGCTGGGATCCTTCTGTCGACGAGGT	780
Db	772	ATGAAAGCTACTCCTTCTGAGAGAGCTGTGCTGGGACCTTCTGTCGACGAGGT	831
Qy	781	GAGGGATCCAGGCCCCCAGTTTCTCCAGCTACCTCTACTTCTCTCTGCCCCAACACTC	840
Db	832	GAGGGATCCAGGCCCCCAGTTTCTCCAGCTACCTCTACTTCTCTCTGCCCCAACACTC	891
Qy	841	ATCTACAGGAGACTTACCCCTAGGAGGCCCTATGTTCAGGTGGAAATTATGTGGCCCAAGAAC	900
Db	892	ATCTACAGGAGACTTACCCCTAGGAGGCCCTATGTTCAGGTGGAAATTATGTGGCCCAAGAAC	951
Qy	901	TTTGCCCAAGCCCTGGGATGTGTCTCTATGCCCTTTCATCTCTGGCCGCCCTCTGTGTT	960
Db	952	TTTGCCCAAGCCCTGGGATGTGTCTCTATGCCCTTTCATCTCTGGCCGCCCTCTGTGTT	1011
Qy	961	CCTGTCTTTGCCAATGATGAGCGGAGGCCCTTTCAGCACCCGCTGCTGGTCTCTCTATC	1020
Db	1012	CCTGTCTTTGCCAATGATGAGCGGAGGCCCTTTCAGCACCCGCTGCTGGTCTCTCTATC	1071
Qy	1021	CTGCATGCCAGTTGCCAGGCATCTTCATGCTGCTGCTCATCTTCTTGTGCTTCTCTCAT	1080
Db	1072	CTGCATGCCAGTTGCCAGGCATCTTCATGCTGCTGCTCATCTTCTTGTGCTTCTCTCAT	1131
Qy	1081	TGCTGGCTCAACGGCTTTGCCAGATGCTACGATTTGGAGACAGGATGTTCTACCGGGAC	1140
Db	1132	TGCTGGCTCAACGGCTTTGCCAGATGCTACGATTTGGAGACAGGATGTTCTACCGGGAC	1191
Qy	1141	TGGTGGAACTCAACGTCTCTTCCAACTACTACCGCACTTGGAACTGGTGGTCCATGAC	1200
Db	1192	TGGTGGAACTCAACGTCTCTTCCAACTACTACCGCACTTGGAACTGGTGGTCCATGAC	1251
Qy	1201	TGGCTGTACAGCTACGTGTATCAGATGGGCTGGGCTCCTTGGTGCCCGGCCCGGAGGG	1260
Db	1252	TGGCTGTACAGCTACGTGTATCAGATGGGCTGGGCTCCTTGGTGCCCGGCCCGGAGGG	1311
Qy	1261	GTAGCCATGTGGGTGTGTTCTGGTCTCCGAGTGGCCCCAGATATATCTTCTGCTTC	1320
Db	1312	GTAGCCATGTGGGTGTGTTCTGGTCTCCGAGTGGCCCCAGATATATCTTCTGCTTC	1371
Qy	1321	GTCTGGGGTTCTTCTATCCCGTCACTGCTGATCTCTTCTGTCATTTGGAGGAATCTTG	1380
Db	1372	GTCTGGGGTTCTTCTATCCCGTCACTGCTGATCTCTTCTGTCATTTGGAGGAATCTTG	1431
Qy	1381	AACTTCATGATGCATGACAGCGCACCGGCCCGCATGGAACTGCTGATGTGGACCATG	1440
Db	1432	AACTTCATGATGCATGACAGCGCACCGGCCCGCATGGAACTGCTGATGTGGACCATG	1491
Qy	1441	CTGTTTCTAGGCCAGGGAAATCCAGGTCAAGCTGTACTGTCAGGAGTGGTACGCCGCGG	1500
Db	1492	CTGTTTCTAGGCCAGGGAAATCCAGGTCAAGCTGTACTGTCAGGAGTGGTACGCCGCGG	1551
Qy	1501	CACGTGCCCCCTTACCCAGGGAACCTTCTGGGGGCTGGTGACACCTCGATCTTGGTCTGC	1560
Db	1552	CACGTGCCCCCTTACCCAGGGAACCTTCTGGGGGCTGGTGACACCTCGATCTTGGTCTGC	1611
Qy	1561	CATACCTAG 1569	
Db	1612	CATACCTAG 1620	